

WHAT IS CLAIMED IS:

1. A fabrication system comprising:
 - a load chamber;
 - 5 a transport chamber connected with said load chamber;
 - a plurality of film formation chambers connected with said transport chamber; and
 - an installation chamber connected with each of said film formation chambers;
 - wherein each of said plurality of film formation chambers comprises:
 - alignment means for allowing positions of a mask and a
 - 10 substrate to be in registry with each other;
 - substrate holding means;
 - a plurality of evaporation source holders; and
 - means for moving said evaporation source holders;
 - wherein each of said evaporation source holders has containers, said
 - 15 containers being arranged in a longitudinal direction of each of said evaporation source holders, in each of said containers an evaporation material is contained, and means for heating said containers;
 - wherein said installation chamber comprises:
 - means for heating said containers previously; and
 - 20 means for transporting said containers into said evaporation source holders in said film formation chamber;
 - wherein each of said plurality of film formation chambers connects with a first vacuum exhaust treatment chamber for allowing an inside of each of said film formation chambers to be in a vacuum state; and
 - 25 wherein said installation chamber connects with a second vacuum exhaust treatment chamber for allowing an inside of said installation chamber to be in a vacuum state.
2. The vapor deposition system according to claim 1, wherein said substrate
- 30 holding device overlaps a terminal region, a cut region, or an end portion of the substrate

with a mask being sandwiched therebetween.

3. The fabrication system according to claim 1, wherein said substrate holding device and said mask are bonded or welded with each other.

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4. The fabrication system according to claim 1, wherein said means for moving said evaporation source holders has a mechanism moving said evaporation source holders in an X-axis direction at a given pitch and, further, a Y-axis direction at another given pitch.

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5. The fabrication system according to claim 1, wherein said containers are arranged at equal intervals in each of the evaporation source holder.

6. The fabrication system according to claim 1, wherein the evaporation sources
15 holders is rectangular.

7. A fabrication system comprising:

a load chamber;

a transport chamber connected with said load chamber;

20 a plurality of film formation chambers connected with said transport chamber; and
an installation chamber connected with each of said film formation chambers;
wherein each of said plurality of film formation chambers comprises:

alignment means for allowing positions of a mask and a substrate
to be in registry with each other;

25 an evaporation source holder; and

means for moving said evaporation source holder;

wherein each of said plurality of film formation chambers connects with a
vacuum treatment chamber for allowing an inside of each of said film formation chambers
to be in a vacuum state;

30 wherein said evaporation source holder has containers, said containers being

arranged in a longitudinal direction of said evaporation source holder, in each of said containers an evaporation material is contained, and means for heating said containers; and
wherein said means for moving said evaporation source holder moves said evaporation source holder with a longitudinal direction thereof being set obliquely to a side
5 of the substrate in an X direction or a Y direction of the substrate.

8. The fabrication system according to claim 7, wherein the evaporation source holder is rectangular.

10 9. A fabrication system comprising:
a load chamber;
a transport chamber connected with said load chamber;
a plurality of film formation chambers connected with said transport chamber; and
an installation chamber connected with each of said film formation chambers;
15 wherein each of said plurality of film formation chambers comprises:
alignment means for allowing positions of a mask and a substrate
to be in registry with each other,
an evaporation source holder; and
means for moving said evaporation source holder;
20 wherein each of said plurality of film formation chambers connected with a vacuum
exhaust treatment chamber for allowing an inside of each of said film formation chambers
to be in a vacuum state;
wherein said evaporation source holder has containers, said containers being
arranged in a longitudinal direction of said evaporation source holder, in each of containers
25 an evaporation material is contained, and means for heating said containers; and
wherein a side of the substrate is set obliquely to a direction in which said
evaporation source holder is moved.

10. The fabrication system according to claim 9, wherein the evaporation source
30 holder is rectangular.

11. A manufacturing method for a light emitting device: comprising the steps of:
forming a semiconductor film over a substrate having an insulating surface;
irradiating a laser beam on said semiconductor film in a scanning manner;
5 forming a TFT comprising said semiconductor film;
forming a first electrode connected with said TFT;
moving an evaporation source holder provided with a organic compound in a
direction different from a scanning direction of said laser beam to form a film containing
said organic compound over said first electrode; and
10 forming a second electrode over said film containing said organic compound.

12. The manufacturing method for a light emitting device according to claim 11,
wherein the evaporation source holder is rectangular.

15 13. The manufacturing method for a light emitting device according to claim 11,
wherein said laser is one of a continuously oscillating laser and a pulse oscillation laser,
and said laser is one or more kinds of members selected from the group consisting of YAG
laser, YVO₄ laser, YLF laser, YAlO₃ laser, Y₂O₃ laser, glass laser, ruby laser, alexandrite
laser and Ti: sapphire laser.

20 14. The manufacturing method for a light emitting device according to claim 11,
wherein said laser is one of a continuously oscillating laser and a pulse oscillation laser,
and said laser is one or more kinds of members selected from the group consisting of
excimer laser, Ar laser and Kr laser.

25 15. A manufacturing method for a light emitting device comprising the steps of:
forming a semiconductor film over a substrate having an insulating surface;
irradiating a laser beam over said semiconductor film in a scanning manner;
forming a TFT comprising said semiconductor film;
30 forming a first electrode connected with said TFT;

moving an evaporation source holder provided with said organic compound in a direction different from a direction perpendicular to a scanning direction of said laser beam to form a film containing an organic compound over said first electrode; and
forming said second electrode over a film containing said organic compound.

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16. The manufacturing method for a light emitting device according to claim 15, wherein the evaporation source holder is rectangular.

17. The manufacturing method for a light emitting device according to claim 15,
10 wherein said laser is one of a continuously oscillating laser and a pulse oscillation laser, and said laser is one or more kinds of members selected from the group consisting of YAG laser, YVO₄ laser, YLF laser, YAlO₃ laser, Y₂O₃ laser, glass laser, ruby laser, alexandrite laser and Ti: sapphire laser.

15 18. The manufacturing method for a light emitting device according to claim 15, wherein said laser is one of a continuously oscillating laser and a pulse oscillation laser, and said laser is one or more kinds of members selected from the group consisting of excimer laser, Ar laser and Kr laser.

20 19. A fabrication system comprising:
a load chamber;
a transport chamber connected with said load chamber;
a plurality of film formation chambers connected with said transport chamber; and
an installation chamber connected with each of said film formation chambers;
25 wherein each of said plurality of film formation chambers comprises:
a CCD camera and a stopper for allowing positions of a mask
and a substrate to be in registry with each other;
a frame;
a plurality of evaporation source holders; and
30 a stage for moving said evaporation source holders;

wherein said each of evaporation source holders has containers, said containers being arranged in a longitudinal direction of each of said evaporation source holders, in each of said containers an evaporation material is contained, and a heater for heating said containers;

5 wherein said installation comprises:

 a heater for heating said containers previously; and

 a transporting robot for transporting said containers into said evaporation source holders in said film formation chamber;

 wherein each of said plurality of film formation chambers connects with a
10 first vacuum exhaust treatment chamber for allowing an inside of each of said film formation chambers to be in a vacuum state; and

 wherein said installation chamber connects with a second vacuum exhaust treatment chamber for allowing an inside of said installation chamber to be in a vacuum state.

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20. The vapor deposition system according to claim 19, wherein said frame overlaps a terminal region, a cut region, or an end portion of the substrate with a mask being sandwiched therebetween.

20 21. The fabrication system according to claim 19, wherein said frame and said mask are bonded or welded with each other.

22. The fabrication system according to claim 19, wherein said stage has a mechanism moving said evaporation source holders in an X-axis direction at a given pitch
25 and, further, a Y-axis direction at another given pitch.

23. The fabrication system according to claim 19, wherein said containers are arranged at equal intervals in each of said evaporation source holders.

30 24. The fabrication system according to claim 19, wherein the rectangular

evaporation source holders are rectangular.

25. A fabrication system comprising:

a load chamber;

5 a transport chamber connected with said load chamber;

a plurality of film formation chambers connected with said transport chamber; and

an installation chamber connected with each of said film formation chambers;

wherein each of said plurality of film formation chambers comprises:

10 a CCD camera and a stopper for allowing positions of a mask and a substrate to be in registry with each other;

an evaporation source holder; and

a stage for moving said evaporation source holder;

wherein each of said plurality of film formation chambers connects with a vacuum treatment chamber for allowing an inside of each of said film formation chambers to be in
15 a vacuum state;

wherein said evaporation source holder has containers, said containers being arranged in a longitudinal direction of said evaporation source holder, in each of said containers an evaporation material is contained, and a heater for heating said containers; and

20 wherein said stage moves an evaporation source holder with a longitudinal direction thereof being set obliquely to a side of the substrate in an X direction or a Y direction of the substrate.

26. The fabrication system according to claim 25, wherein the evaporation source
25 holder is rectangular.

27. A fabrication system comprising:

a load chamber;

a transport chamber connected with said load chamber;

30 a plurality of film formation chambers connected with said transport chamber; and

an installation chamber connected with said film formation chambers;
wherein each of said plurality of film formation chambers comprises:
a CCD camera and a stopper for allowing positions of a mask and a
substrate to be in registry with each other, an evaporation source holder; and
5 a stage for moving said evaporation source holder;
wherein each of said plurality of film formation chambers connects with a vacuum
exhaust treatment chamber for allowing an inside of each of said film formation chambers
to be in a vacuum state;
wherein said evaporation source holder has containers, said containers being
10 arranged in a longitudinal direction of said evaporation source holder, in each of containers
an evaporation material is contained, and a heater for heating said containers; and
wherein a side of the substrate is set obliquely to a direction in which said
evaporation source holder is moved.

15 28. The fabrication system according to claim 27, wherein the evaporation source
holder is rectangular.

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